

# Proposed Next Stages of Texas Education Reform

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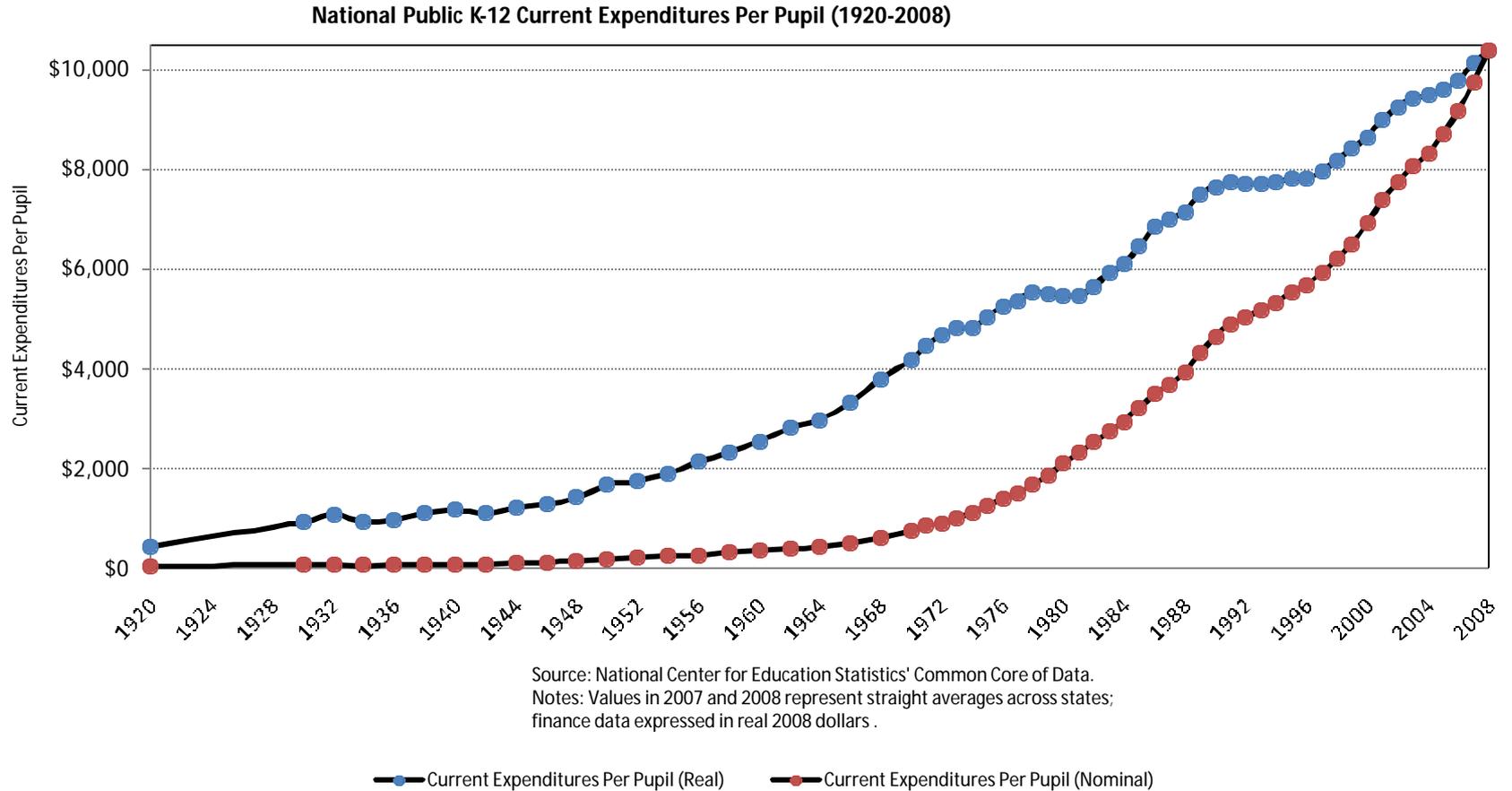
# Texas School Reform Accomplishments to Date

- Learning Standards
- Statewide Testing
- Accountability
- Performance Incentives
- Elevated Reading and Mathematics Achievement
- Accelerated Minority Academic Achievement

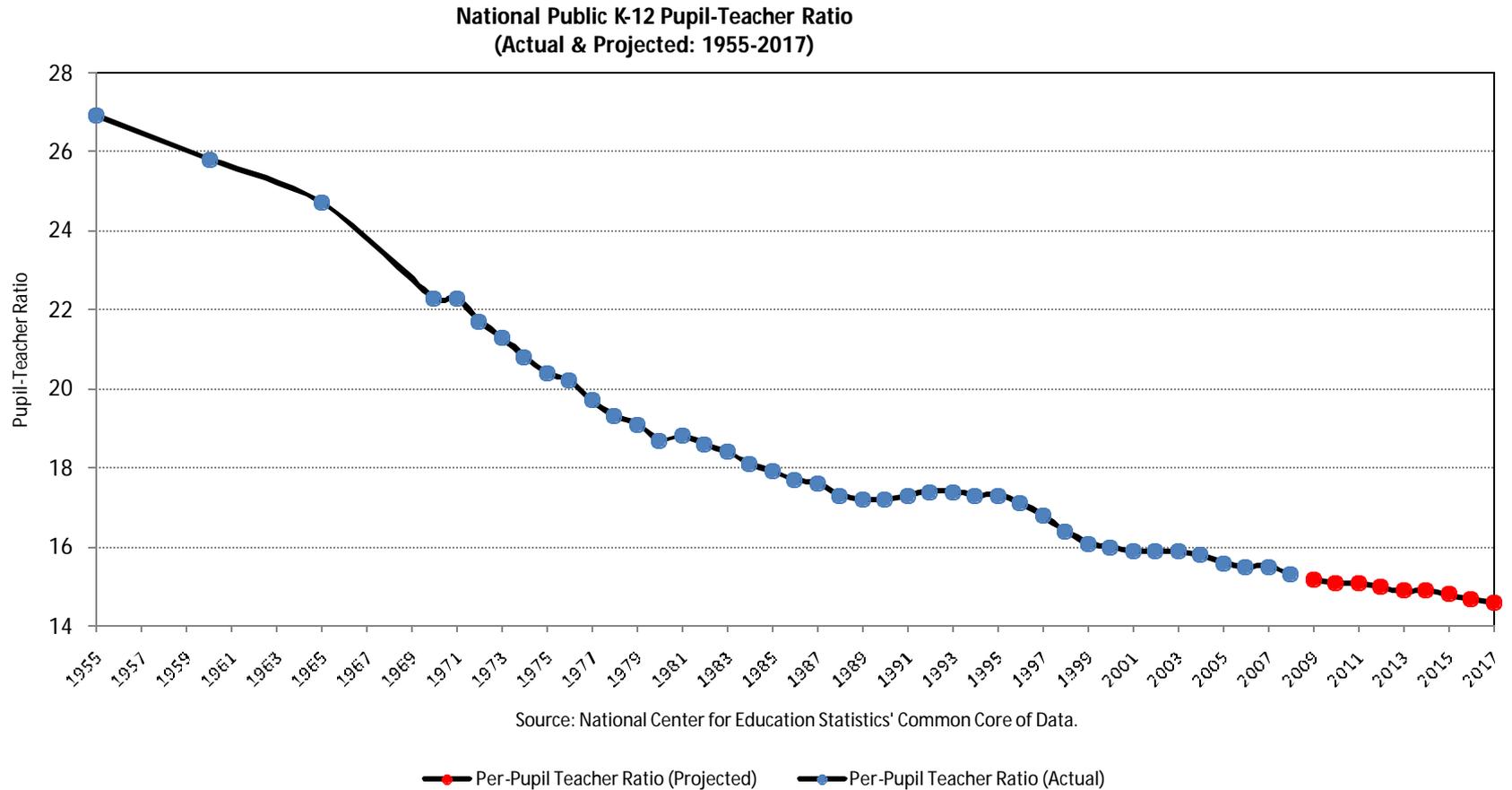
# Emerging Productivity Challenges

- Aligning Resources with Performance
- Deriving the Most from Accountability
- Coordinating Educator Pay and Fringe Benefits
- Incenting Operational efficiencies
- Augmenting Labor with Capital (Technology)

# National Context

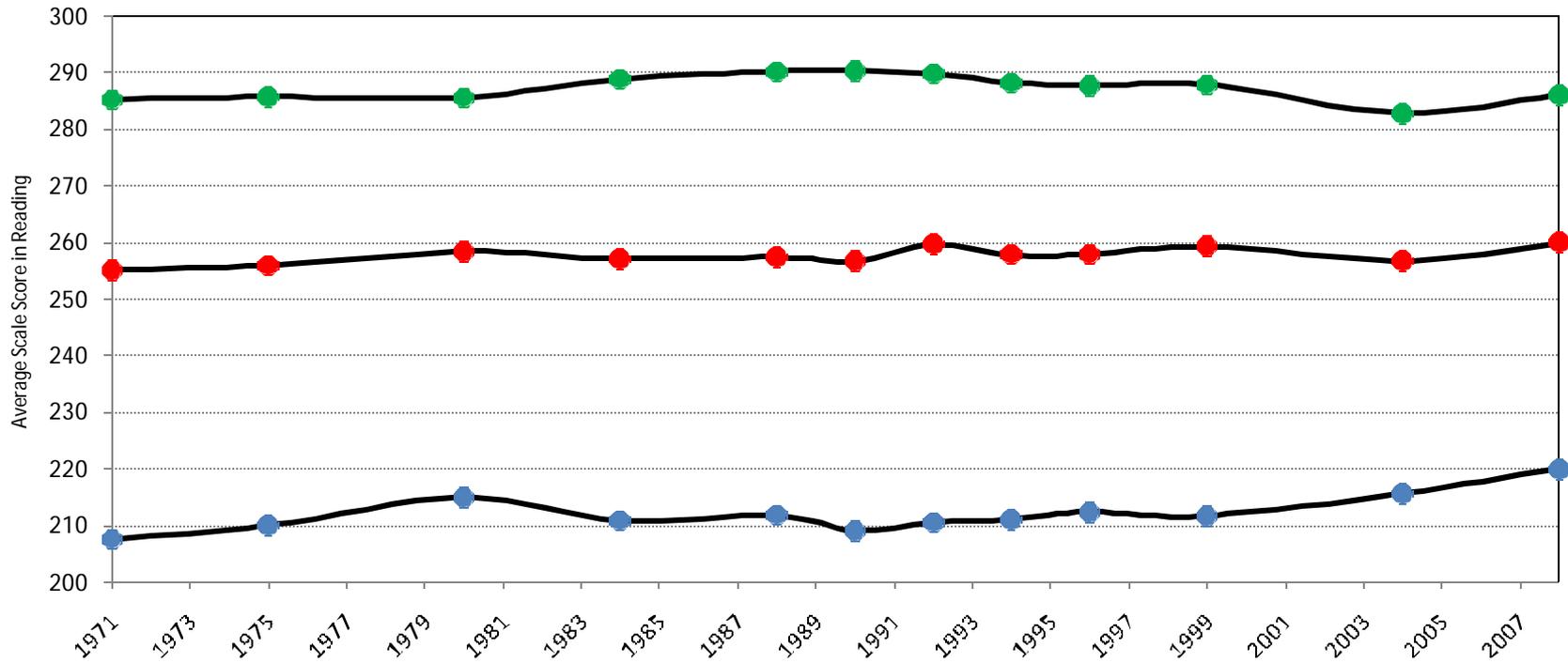


# National Context



# National Context

Trends in NAEP Average Scale Scores in Reading  
for Students 9, 13, and 17 Years Old (1971-2008)

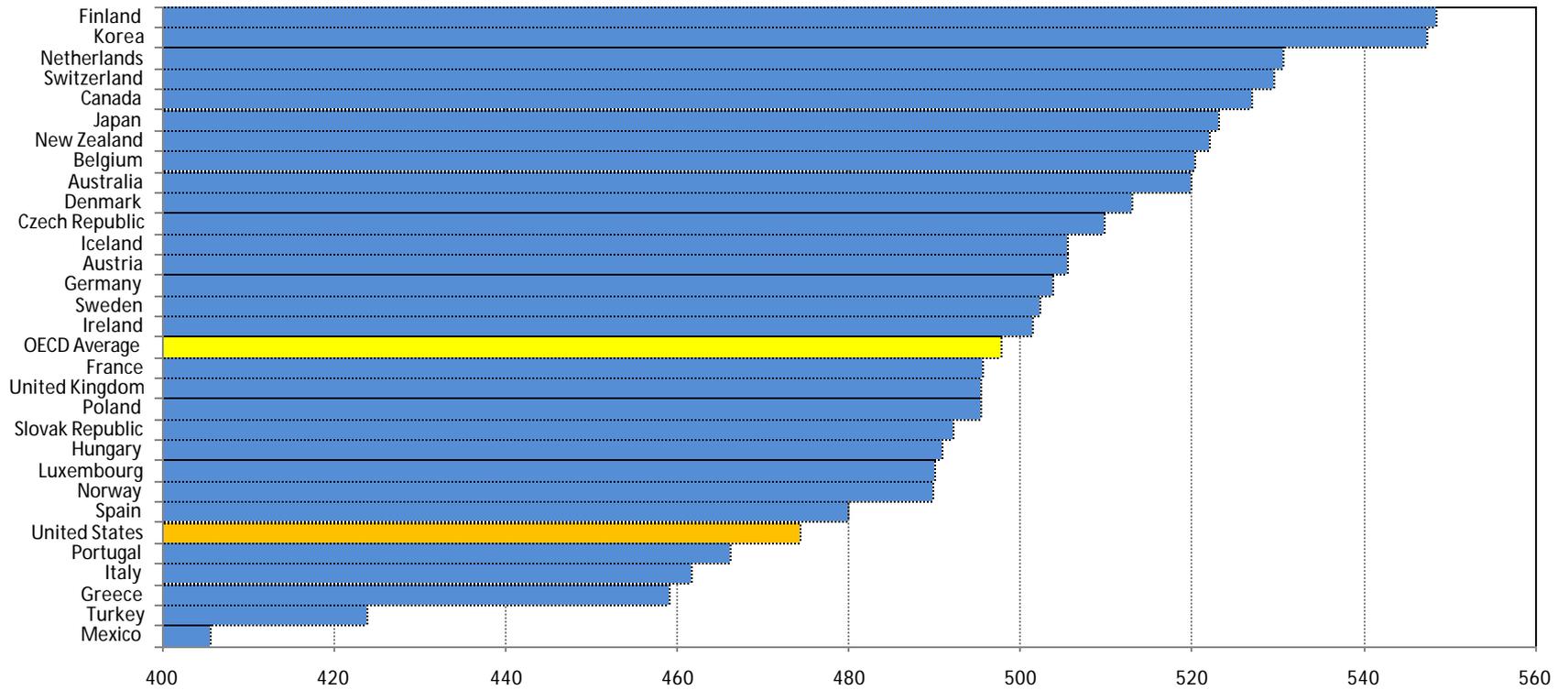


Source: National Center for Education Statistics' NAEP Data Explorer.

—●— Avg Scale Score - Age 13    —●— Avg Scale Score - Age 9    —●— Avg Scale Score - Age 17

# National Context

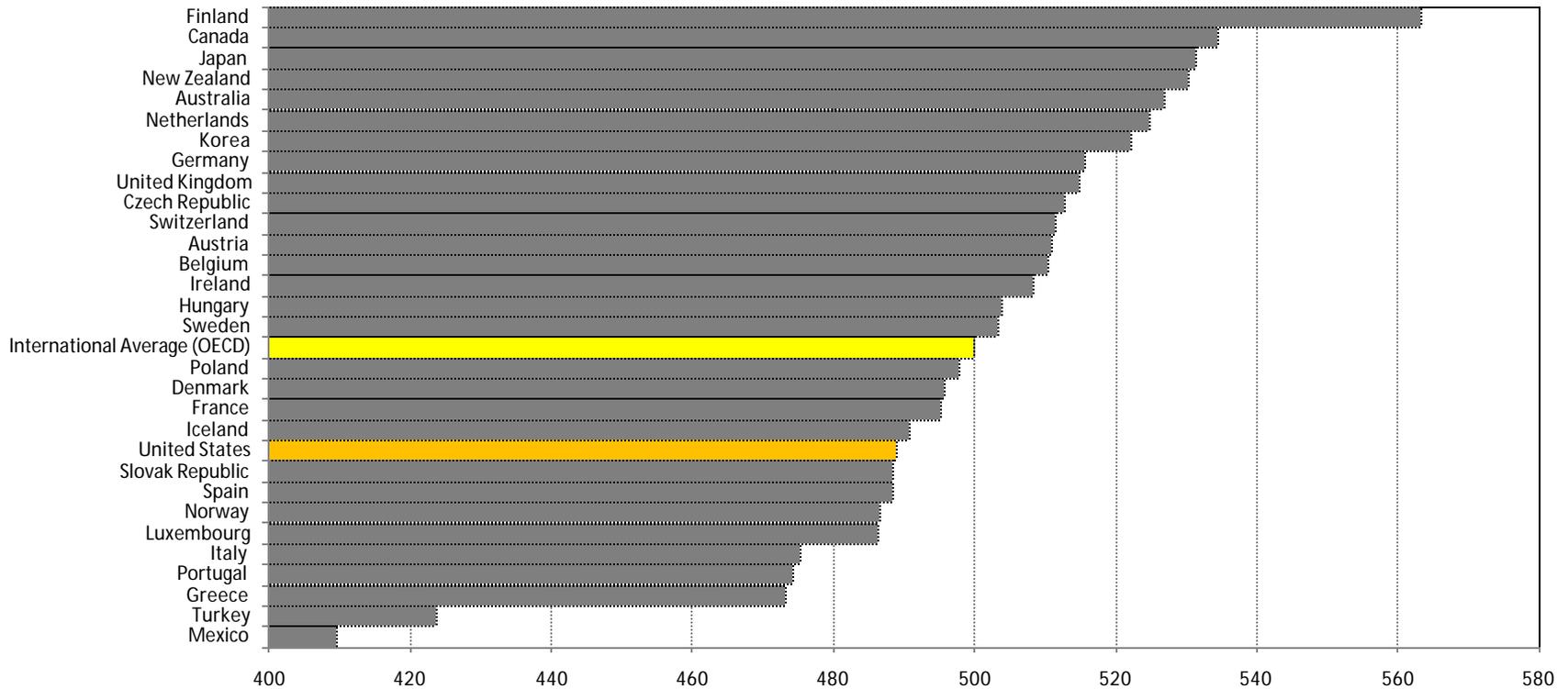
Program for International Student Assessment (PISA)  
Average Scales Scores for OECD Countries in Mathematics (2006)



Source: National Center for Education Statistics' International Data Explorer.

# National Context

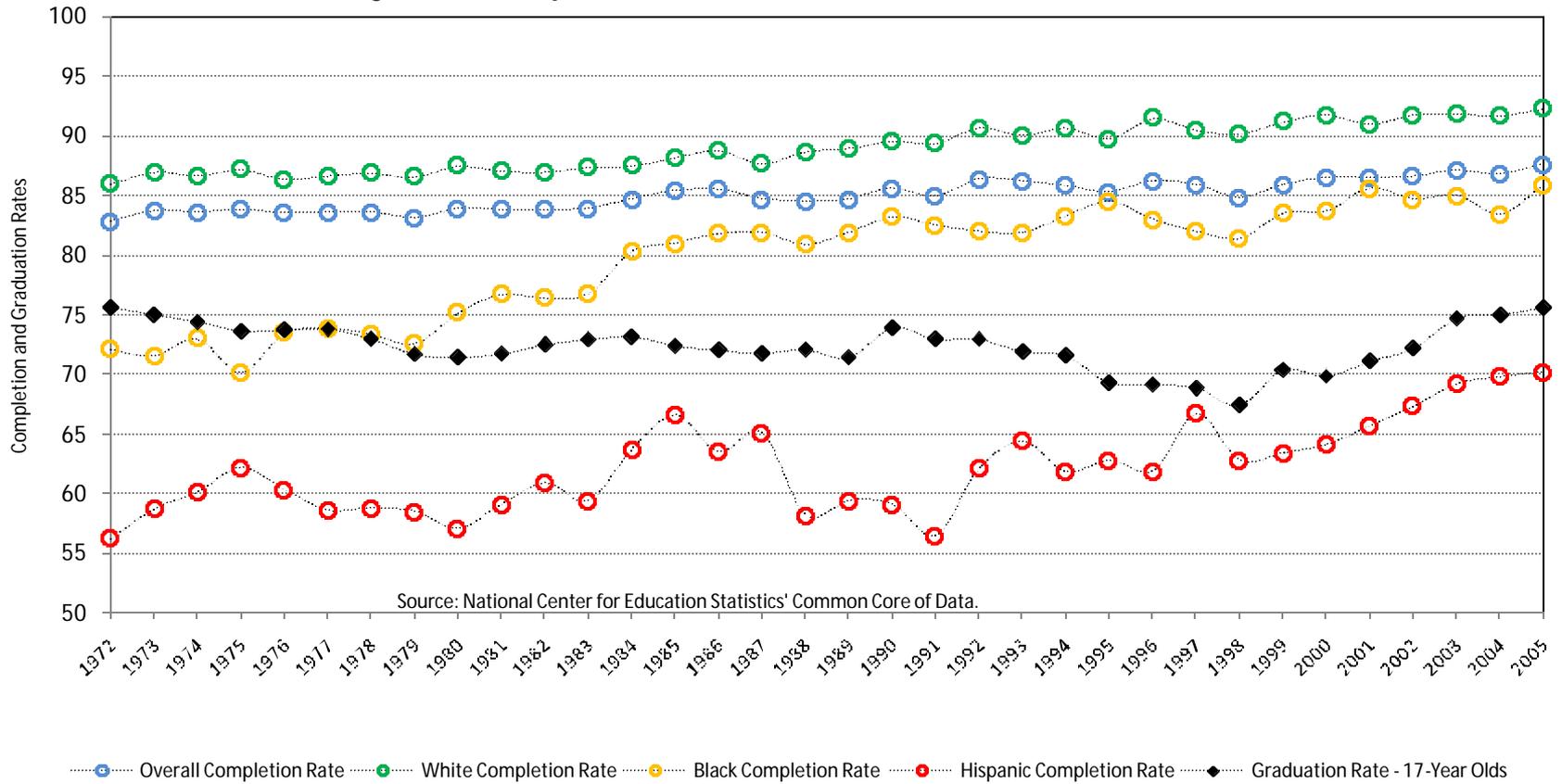
Program for International Student Assessment (PISA)  
Average Scales Scores for OECD Countries in Science (2006)



Source: National Center for Education Statistics' International Data Explorer.

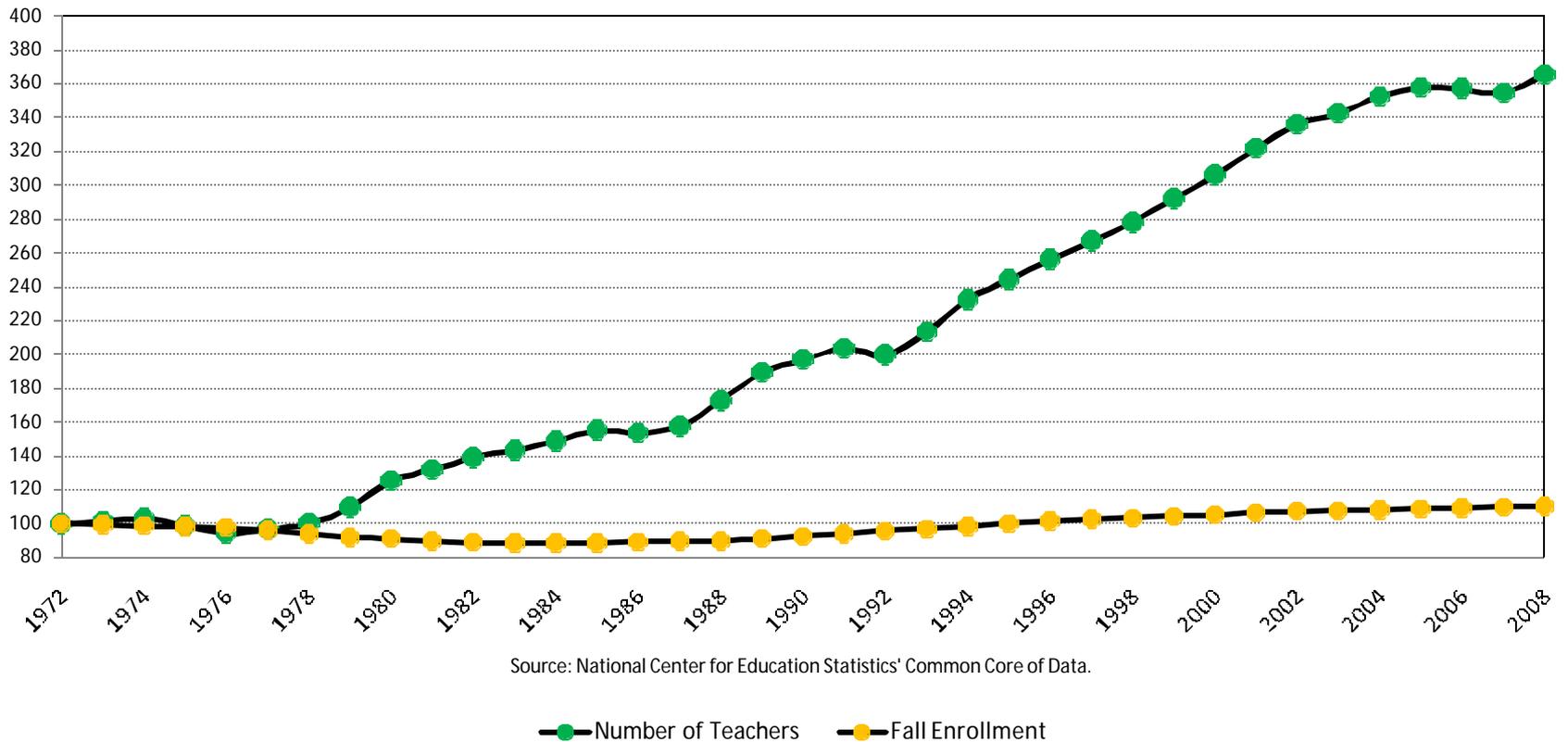
# National Context

## Public High School Completion Rates vs. Graduation Rates

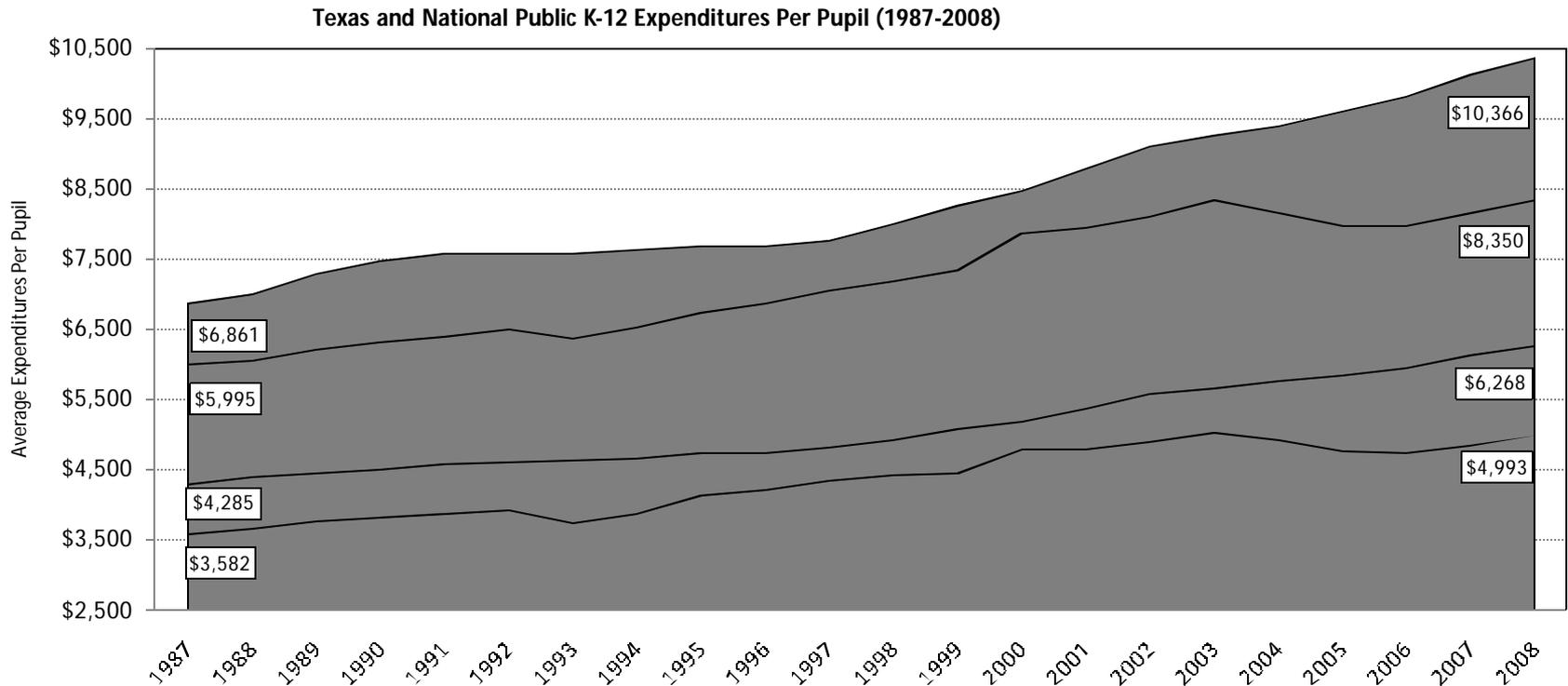


# National Context

**National Public K-12 Teachers and Fall Enrollment**  
(1972-2008; Base Year 1972 = 100)



# Texas Context



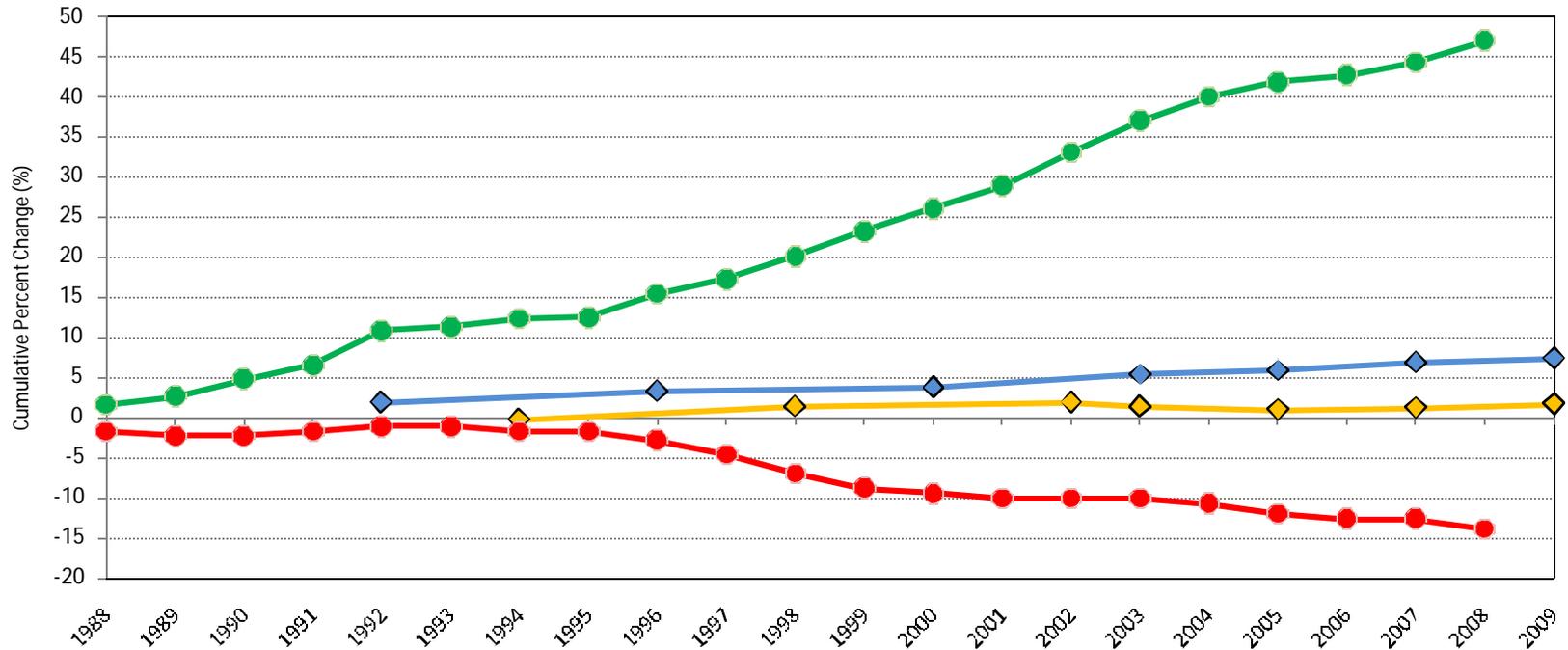
Source: National Center for Education Statistics' Common Core of Data.

Notes: National averages represent straight averages across states; finance data expressed in real 2008 dollars.

US - Current PPE   
  TX - Current PPE   
  US - Instructional PPE   
  TX - Instructional PPE

# National Context

Cumulative Percent Change in Private Business Sector Output/Hour, Pupil-Teacher Ratio, and Reading and Mathematics NAEP Scale Scores

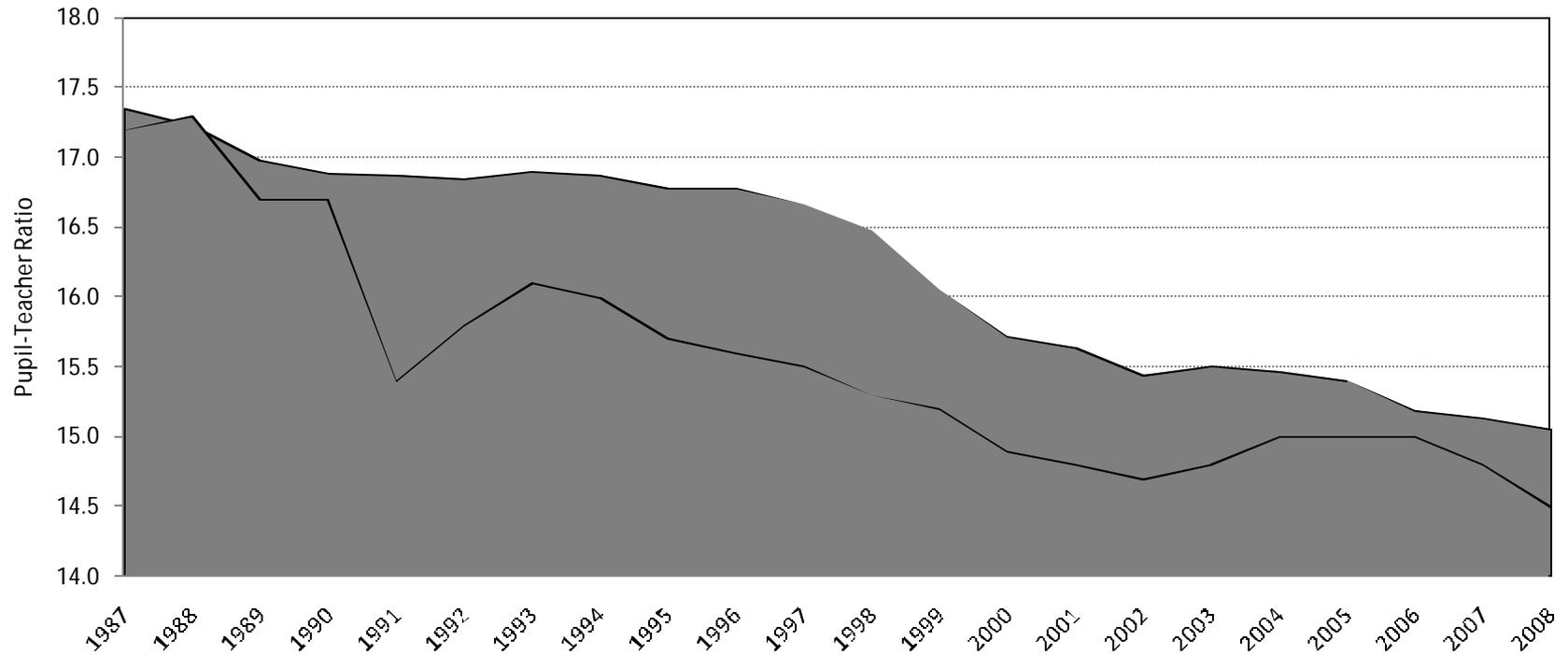


Sources: Bureau of Labor Statistics; National Center for Education Statistics' NAEP Data Explorer and Common Core of Data.

◆ NAEP - Reading - Grade 08    ◆ NAEP - Math - Grade 08    ● Private Business Sector Output/Hour    ● Pupil-Teacher Ratio

# Texas Context

Texas and National Pupil-Teacher Ratio (1987-2008)

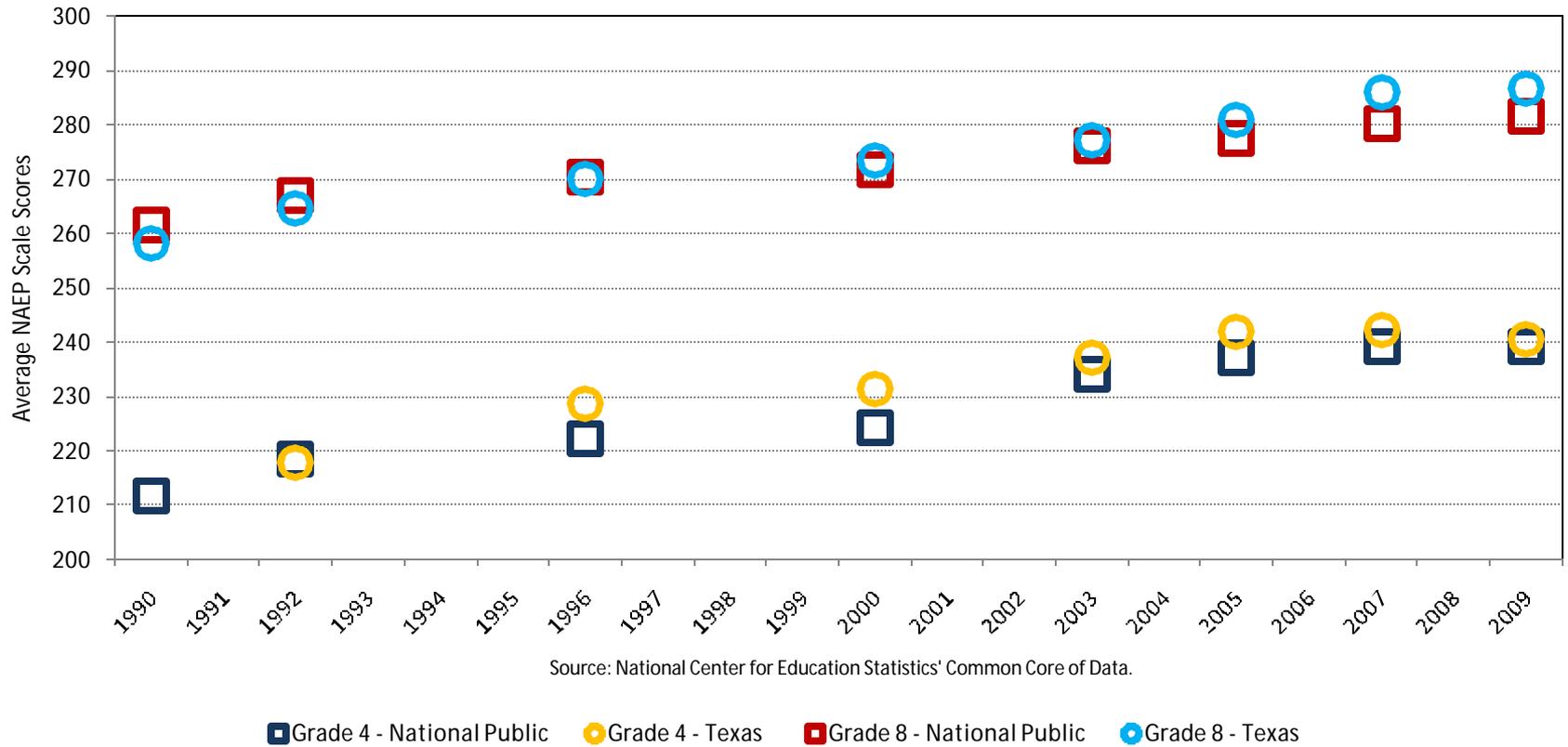


Source: National Center for Education Statistics' Common Core of Data.  
Note: National average represents straight average across states.

□ US - Per-Pupil Ratio   □ TX - Per-Pupil Ratio

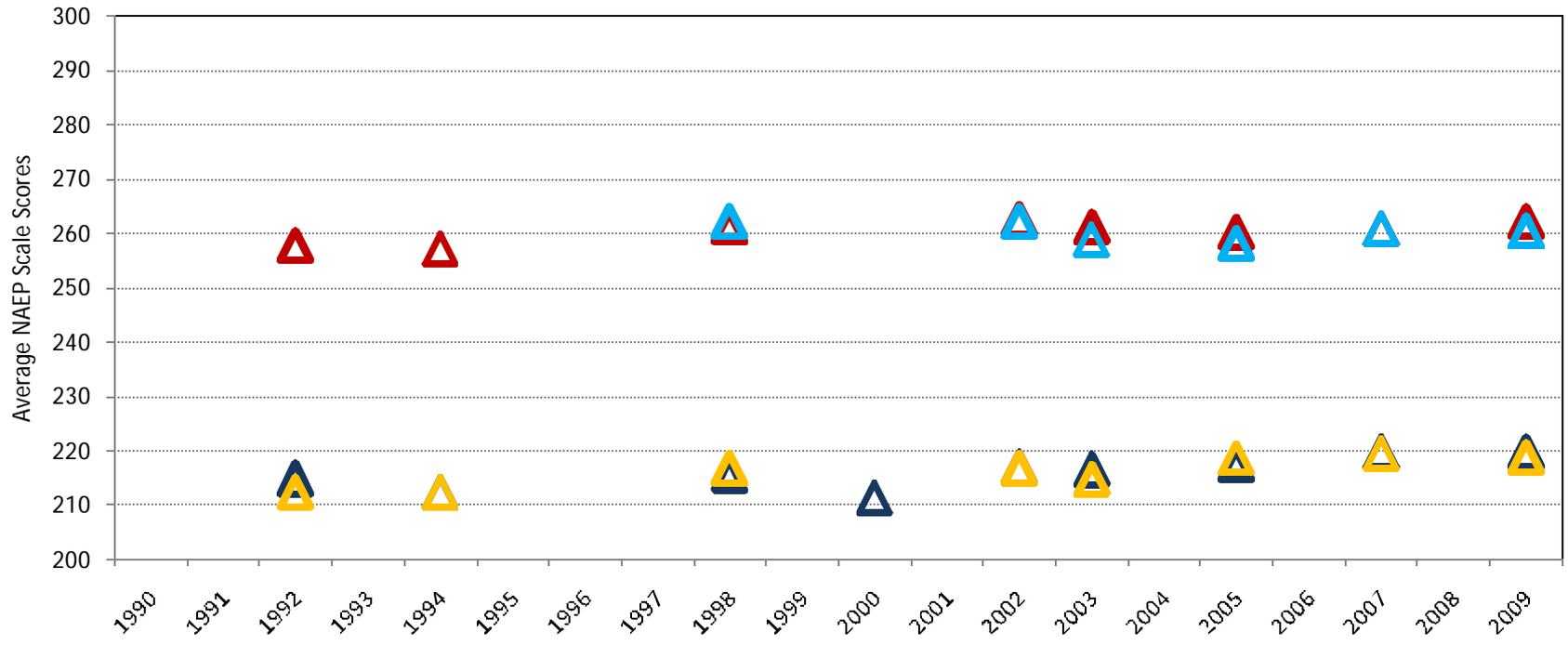
# Texas Context

Texas and National Average NAEP Scale Scores  
Mathematics - 4th and 8th Grades (1990-2009)



# Texas Context

Texas and National Average NAEP Scale Scores  
Reading - 4th and 8th Grades (1990-2009)



Source: National Center for Education Statistics' Common Core of Data.

▲ Grade 4 - National Public    ▲ Grade 4 - Texas    ▲ Grade 8 - National Public    ▲ Grade 8 - Texas

# Texas and the Nation

Education reform productivity threatens to reach a plateau, both for the nation and for Texas.

There are at least the following possible explanations for this leveling.

- The closer one gets to a goal, often, the more difficult the quest.
- Student demographics pose a greater challenge today than in the past.
- The achievement bar has been elevated over past performance expectations
- The productive power of past reform strategies and resource levels has run its course.
- All the above

It is not currently possible to test all of these hypotheses. The answer is presently unknown.

# Texas Challenges

## Enhancing Personnel Policies

Educator Annual Pay

Retirement and Fringe Benefits

## Enhancing Accountability

Empowering Principals

## Enhancing Efficiency

Accounting

Cost Savings

Technology